

PLEASE ADD NEW CLAIMS AS FOLLOWS:

-- 19. An apparatus for generating optical emissions from metallic point sources, comprising:

means for forming micron-size droplets having individual droplet diameters of approximately 10 micrometers to approximately 100 micrometers, each containing nano-size particles, each nano-size particle ranging in size from approximately 5nm to approximately 100nm;

means for feeding the droplets into a target path of individual target sources;

means for irradiating the individual target sources with a laser beam; and

means for generating optical emissions from the irradiated target sources, wherein the steps of forming, passing, irradiating and producing occur at room temperature.

12 20. The apparatus of claim 19, wherein the laser beam includes:
a substantially identical diameter to each of the individual droplets.

21. The apparatus of claim 19, wherein the droplets include:
nano particles of metals in a liquid.

22. The apparatus of claim 19, wherein the liquid is selected from at least one of:
H2O, oil, oleates, soapy solutions, and alcohol.

23. The apparatus of claim 19, wherein the droplets include:
Tin(Sn) nano-particles in the liquid.

24. The apparatus of claim 19, wherein the droplets include:
Copper(Cu) nano-particles in the liquid.